WILSONART INTERNATIONAL

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	**Wilsonart(R) (WA)121 Aerosol Cleaner**
Supplier	WILSONART INTERNATIONAL INC. P.O. BOX 6110 - 2400 Wilson Place, Temple, TX 76503 Telephone: 800-433-3222 (U.S.A.) or 254-207-7000
Synonym	Also known as: **Lokweld(R) (LW) 121 Aerosol Cleaner**
Trade name	Wilsonart(R) (WA)121 Aerosol Cleaner
Material Uses	Cleaner for Wilsonart(R) Adhesives and laminate surfaces
Manufacturer	WILSONART INTERNATIONAL, INC. P.O. BOX 6110, Temple, TX 76503-6110 Information Phone: 254-207-7000 or 800-433-3222

Code	16375
MSDS#	16375
Validation Date	07/23/1999
Print Date	09/27/1999
Responsible Name	Wilsonart International Inc.
In Case of Emergenc	CHEMTREC: 800-424-9300 (USA) 703-527-3887 (International)

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
V.M.& P Naphtha	64742-89-8	60-100	Not available.
N-hexane	110-54-3	1-5	TWA: 176 mg/m³ ACGIH (TLV)
Carbon dioxide	124-38-9	1-5	TWA: 5000 ppm STEL: 30000 ppm ACGIH (TLV) TWA: 10000 ppm STEL: 30000 ppm OSHA
Hexane isomers	N/A	15-40	TWA: 1760 mg/m³ CEIL: 3500 mg/m³ ACGIH (TLV) TWA: 50 ppm ACGIH (TLV)

Section 3. Hazards Identification

Physical State and Appearance	Aerosol
Emergency Overview	DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED OR INHALED. May cause skin, eye and respiratory irritation. Use only with adequate ventilation.
Routes of Entry	Absorbed through skin. Skin contact. Eye contact. Inhalation.

Potential Acute Health Effects

Eyes	This product is an eye irritant.
Skin	Prolonged skin contact may cause dermatitis with drying and cracking of skin. Permeator (absorbed through the intact skin).
Inhalation	May cause respiratory tract irritation. Inhalation of the vapors may cause dizziness, nausea, headache, or anaesthetic effects. Central nervous system depression.
Ingestion	Not an expected route of entry. Ingestion may cause nausea, vomiting, dizziness, gastrointestinal irritation.

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Potential Chronic Health Effects	Repeated or prolonged exposure to the substance can produce nervous system damage. Prolonged exposure may cause narcotic effect. Prolonged skin contact may cause dermatitis with drying and cracking of skin. Repeated or prolonged exposure to the substance can produce liver or kidney damage.
Medical Conditions Aggravated by Overexposure:	Individuals with preexisting lung disease, asthma, or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.
Overexposure /Signs/Symptoms	Skin inflammation is characterized by itching, scaling, reddening. Inflammation of the eye is characterized by redness, watering, and itching.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin Contact	Wash contaminated skin with soap and water. Wash contaminated clothing before reusing. If irritation occurs, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. If irritation or difficult breathing persists, seek immediate medical attention.
Ingestion	Not an expected route of entry. Do not induce vomiting. Seek immediate medical attention.
Notes to Physician	Sudden death due to ventricular fibrillation has been reported from acute inhalation in chronic solvent abusers. Treat patient supportively. Life support measures should be provided because CNS depression cardiopulmonary failure, and metabolic acidosis have been reported in massive overexposures.

Section 5. Fire Fighting Measures

Flammability of the Product	Flammable.
Auto-ignition Temperature	Not available.
Flash Points	CLOSED CUP: -29°C (-20.2°F). (Pensky-Martens.) FLAME SPREAD: 22 - 24 inches. FLASHBACK: Yes
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames and sparks. Flammable in presence of heat, of oxidizing materials, of combustible materials. Slightly flammable to flammable in presence of reducing materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive to explosive in presence of oxidizing materials.
Fire Fighting Media and Instructions	Flammable liquid, insoluble in water. SMALL SPILL: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE SPILL: Use DRY chemicals, CO2, water spray or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back.
Special Remarks on Explosion Hazards	Container explosion may occur under fire conditions or when heated.

Section 6. Accidental Release Measures

Small Spill and Leak	Not applicable due to size and type of container.
Large Spill and Leak	Not likely due to size of container.

Section 7. Handling and Storage

Handling	After handling, always wash hands thoroughly with soap and water. Avoid breathing vapors or spray mists. Avoid contact with skin and eyes. Use only with adequate ventilation. Store and use away from heat, sparks, open flame, or any other ignition source. Keep out of the reach of children. Do not puncture or incinerate container.
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep in a cool, well-ventilated place. Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight. Do not freeze.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
Personal Protection	
Eyes	Safety glasses with side shields or safety goggles.
Body	No special precautions are necessary if used as intended.
Respiratory	In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges with dust/mist pre-filter.
Hands	Gloves (Viton, nitrile, or neoprene).
Feet	No special precautions are necessary if used as intended.
Protective Clothing (Pictograms)	
Personal Protection in Case of a Large Spill	Not likely due to size of container.

Product Name	Exposure Limits
V.M.& P Naphtha	Not available.
n-Hexane	TWA: 176 mg/m³ ACGIH (TLV)
Carbon dioxide	TWA: 5000 ppm STEL: 30000 ppm ACGIH (TLV) TWA: 10000 ppm STEL: 30000 ppm OSHA
Hexane isomers	TWA: 1760 mg/m³ CEIL: 3500 mg/m³ ACGIH (TLV) TWA: 50 ppm ACGIH (TLV)

Consult local authorities for acceptable exposure limits.

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Section 9. Physical and Chemical Properties

Physical State and Appearance	Aerosol
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH (1% Soln/Water)	Not available.
Boiling/Condensation Point	Not available.
Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.64 (Water = 1)
Vapor Pressure	Not available.
Vapor Density	The highest known value is 1.53 (Air = 1) (Carbon dioxide).
Volatility	See VOC information below.
Odor Threshold	Not available.
Evaporation Rate	Not available.
VOC	VOC CONTENT: 697 g/L of material (SCAQMD) COMPOSITE PARTIAL PRESSURE: 66 mmHg @ 20 °C
Viscosity	Not available.
$LogK_{ow}$	Not available
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Insoluble in water.
Physical Chemical Comments	Not available.

Odor	Alcohol like. (Slight.)
Taste	Not available.
Color	Clear Colorless.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional information.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Products of Combustion include: carbon oxides (CO, CO2)
Hazardous Polymerization	Will not occur.

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Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 28710 mg/kg [Rat]. (N-hexane).
Chronic Effects on Humans	**CARCINOGENIC EFFECTS**: Classified None. **MUTAGENIC EFFECTS**: Classified None. **TERATOGENIC EFFECTS**: Classified None. Causes damage to the following organs: blood, kidneys, the nervous system, liver, skin, eyes, central nervous system (CNS). Narcotic effect; may cause nervous system disturbances. N-hexane is a neurotoxin. Prolonged skin contact may cause dermatitis with drying and cracking of skin.
Other Toxic Effects on Humans	No additional information.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional information.
Special Remarks on Other Toxic Effects on Humans	No additional information.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification	CLASS 2.1: Flammable gas.
	Aerosol., 2.1, UN1950

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Marine Pollutant	Not a Marine pollutant.
Special Provisions for Transport	May be shipped as a Consumer Commodity, ORM-D per ground within the USA. May be shipped as a Class 9, Miscellaneous Hazard per air (IATA regulations) throughout the world.
ADR/RID Classification	CLASS 2.1: Flammable gas.
IMO/IMDG Classification	CLASS 2.1: Flammable gas.
ICAO/IATA Classification	CLASS 2.1: Flammable gas.

Section 15. Regulatory Information

HCS Classification	Class: Flammable gas. Class: Irritating substance. Class: Target organ effects. Class: Reproductive toxins.
U.S. Federal Regulations	TSCA 4(a) proposed test rules: N-hexane TSCA 4(a) final test rules: N-hexane TSCA 8(b) inventory: V.M.& P Naphtha; N-hexane TSCA 12(b) one time export: N-hexane SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: N-hexane SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: N-hexane: 1% Clean water act (CWA) 307: No products were found. Clean water act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
EINECS	Not available.
DSCL (EEC)	R12- Extremely flammable. R36- Irritating to eyes.
International Lists	Australia: N-hexane; Hexane isomers Germany water class: N-hexane; Hexane isomers
State Regulations	Pennsylvania RTK: V.M.& P Naphtha; N-hexane Florida: N-hexane Minnesota: N-hexane Massachusetts RTK: V.M.& P Naphtha; N-hexane New Jersey: N-hexane California Prop. 65: No products were found.

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Section 16. Other Information

Label Requirements EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED OR INHALED.

Hazardous Material Information System (U.S.A.)

Health	* 2
Fire Hazard	3
Reactivity	0
Personal Protection	B

National Fire Protection Association (U.S.A.)

References

-SAX, N.I. Dangerous Properties of Industrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.

GLOSSARY:

ACGIH - American Conference of Governmental Industrial Hygienists
ASTM - American Society for Testing and Materials
ADR - Agreement on Dangerous Goods by Road (Europe)
BOD5 - Biological Oxygen Demand in 5 days
CAS - Chemical Abstract Services
CEPA - Canadian Environmental Protection Act
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
CFR - Code of Federal Regulations
DOT - Department of Transportation
DSCL - Dangerous Substances Classification and Labeling (Europe)
DSL - Domestic Substance List (Canada)
EEC/EU - European Economic Community/European Union
EINECS - European Inventory of Existing Commercial Chemical Substances
HCS - Hazard Communication System
HMIS - Hazardous Material Information System
IARC - International Agency for Research on Cancer
LD50/LC50 - Lethal Dose/Concentration kill 50%
LDLo/LCLo - Lowest Published Lethal Dose/Concentration
NFPA - National Fire Prevention Association
NIOSH - National Institute for Occupational Safety & Health
NTP - National Toxicology Program
OSHA - Occupational Safety & Health Administration
PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
SARA - Superfund Amendments and Reorganization Act
STEL - Short Term Exposure Limit (15 minutes)
TDG - Transportation of Dangerous Goods (Canada)
TLV-TWA - Threshold Limit Value-Time Weighted Average
TSCA - Toxic Substances Control Act
WHMIS - Workplace Hazardous Material Information System

Other Special Considerations TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory.
EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances.

Validated by Wilsonart International Inc. on 07/23/1999.

Verified by Wilsonart International Inc..

Printed 09/27/1999.

CHEMTREC:
800-424-9300 (USA)
703-527-3887 (International)

Notice to Reader

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To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.